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# STAFF REPORT

## WHO OWNS THE LAND? A PRELIMINARY REPORT FOR THE NORTH CENTRAL STATES

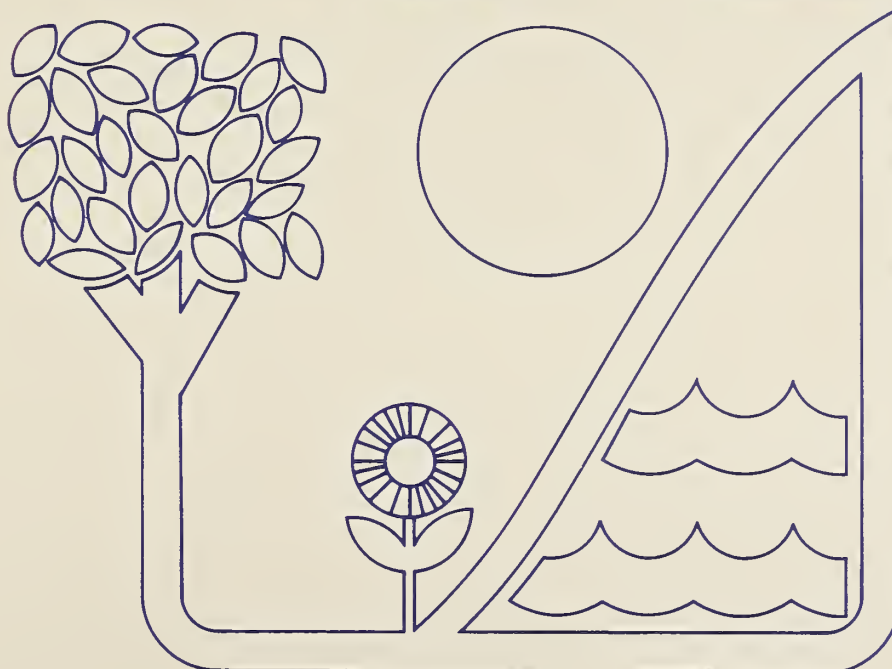
ESCS Staff Report NRED 80-11

D. David Moyer

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WHO OWNS THE LAND? A PRELIMINARY REPORT FOR THE NORTH CENTRAL STATES.  
By D. David Moyer; Natural Resource Economics Division; Economics, Statistics,  
and Cooperatives Service; U.S. Department of Agriculture, August, 1980.

### ABSTRACT

Farmers and farm managers are the largest single group of owners in the twelve North Central States; they own 49 percent of all private non-corporate holdings and over 55 percent of land in farms, according to a 1978 ESCS survey of privately owned farm and ranch land, other rural land, and urban land. Sole proprietors and husbands and wives own 81.5 percent of all farmland, 1 percent of all ownership units own 26 percent of all privately held land, and about 72 percent of land is held by people over 45 years old. The report also classes landownership by race, sex, method and date of acquisition, residence and education.

Key Words: Land, land ownership, owner characteristics, ownership concentration, North Central States.

\* \* \* \* \*

\* This report was prepared for limited distribution to the \*

\* research community outside the U.S. Department of \*

\* Agriculture. \*

\* \* \* \* \*

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WHO OWNS THE LAND? A PRELIMINARY  
REPORT FOR THE NORTH CENTRAL STATES

INTRODUCTION

The U.S. Department of Agriculture (USDA) recently conducted a nationwide survey of the ownership of privately held land in the U.S. More than 37,000 individuals, partnerships, and corporations who owned land were surveyed in 1978 by the Economics, Statistics, and Cooperatives Service (ESCS). This survey, the first nationwide landownership survey since a nationwide survey of farmland ownership in 1946, was an effort to determine a number of characteristics of U.S. landowners and the 1.3 billion acres of farm and ranch land, other rural land, and urban land they own.

This report presents a statistical summary of selected characteristics of owners and the land they own for the 12 North Central States. Additional reports, dealing with specific ownership characteristics in greater detail, will be forthcoming in the near future. Ownership data are provided here for three Farm Production Regions: Lake, Corn Belt, and Northern Plains. These three regions include the following states: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. The survey accounted for 8.0 million owners of 426 million acres (88 percent of all land) in the 12 state area. The remaining acreage, held by Federal, State, and local units of government, was excluded from the survey. Tables and charts are used in this report to highlight and describe relationships on owners occupation, race, sex, age, education, and type of ownership. Size of holdings, and method and



timing of land acquisition are also described for the North Central region and for the individual states. In general, tables are provided for both all land and for farm and ranch land.

#### WHY THE SURVEY?

In our society, owners generally decide how land will be used. Therefore, analyses of landownership and land use patterns are important in order to better understand how decisions made by landowners impact on a number of areas. These areas include the environment, food and fiber supplies, employment, distribution of wealth and income and resource development. These data also help explain how land ownership affects the competition for land and how government programs can be expected to affect land use, including conservation, farm production, supply management, credit, and technical assistance programs. Ownership data, when correlated with land use, soils, and similar data, can provide information about ownership of agricultural lands that are well suited to future use for crop production. This information can in turn be used to design programs with appropriate incentives to better accomplish stated policy objectives.

#### SURVEY HIGHLIGHTS

##### Occupation

Farmers and farm managers are the largest landowner occupational group in the North Central States, accounting for nearly one-half of all land owned in non-corporate holdings and 55 percent of all farm and ranch land (tables 1 and 3 and figure 1). Retired persons are the next highest occupational class, holding 19 percent of all land, followed by white collar and blue collar owners, holding 11 and 8 percent of all land, respectively. Similar percentages were reported for farm and ranch land acreages.



While farmers are the predominant land owning occupation in the North Central States as a whole, the proportion of all land owned by farmers varies widely from state to state. For instance, over 50 percent of all land is owned by farmers and farm managers in Iowa, Minnesota, Nebraska, North Dakota, South Dakota and Wisconsin (table 2). On the other hand, in Michigan less than one-fourth of all land is owned by farmers and farm managers. Michigan is also the only state where over 20 percent of all land is owned by persons in white collar occupations.

Illinois and Missouri were the only two states with a significant proportion of non-responses as to owner occupation, with 11.0 and 14.8 percent respectively. The distribution of owner occupation for farm and ranch land differs from all land only in two respects. First, there is a to be expected higher proportion of farm and ranch land owners reporting farming as their principal occupation. Second, the proportion of non-responses was about one-third lower for farm and ranch land owners, with 5 percent not reporting, compared to 7.3 percent of owners of all land.

#### Type of Owner

Sole proprietors and husbands and wives hold nearly four-fifths (79.6 percent) of all privately owned land in the North Central States (table 5 and figure 2). These same two types of owners hold 81.5 percent of all farm and ranch land (table 7). Non-family corporations hold 3.8 percent of all land and 1.1 percent of farm and ranch land. Family partnerships hold nearly 10 percent of both all land and farm and ranch land.

By state, sole proprietors and husband and wife owners of all land hold from 69 percent in Nebraska to 87.7 percent in North Dakota. Family partnerships account for over 10 percent of all land in three states,



South Dakota, Kansas, and Nebraska, 14.8, 12.0 and 10.7 percent respectively. Family corporations are significant owners of all land only in Nebraska where they hold 11.5 percent. The next highest state is Indiana with 3.3 percent. Michigan reports farm and ranch land holdings by non-family corporations of 13.8 percent. Wisconsin and Ohio reported the next highest percentages, 7.5 and 7.1 respectively.

#### Race

Over 93 percent of the private landowners in the North Central States are white and non-Hispanic, they own 93.7 percent of all land (table 13). Blacks account for 0.8 percent of all owners and hold 0.4 percent of all land. By state, white non-Hispanic owners hold from 89.9 percent of all land in Missouri to 97.7 percent of all land in Indiana (table 14).

#### Age

Over 70 percent (72.4) of all privately owned land in the North Central States is held by persons who are 45 years old or over (table 15 and figure 3). Conversely, only 6 percent of all land is held by owners who are less than 35 years old. State age patterns show that the proportion of land held by owners 45 and over tends to increase as we move from the Lake, to the Corn Belt, to the Northern Plains, which report 67, 72, and 76 percent of all land held by these owners, respectively (table 16). The three states with the largest proportion of land held by owners under 35 years of age are Wisconsin, South Dakota, and Minnesota, reporting 10, 9 and 8 percent respectively. Non-response for age of owner averaged 8 percent, with Missouri, with 13.2 percent, being the only state that exceeded a 10 percent non-response rate.



### Sex

Over 80 percent of the survey respondents were male, reporting holdings of 79.6 percent of all privately owned land (table 17). It should be noted that these data do not fully recognize female participation in ownership through husband-wife holdings and family partnerships, since males tended to respond for these jointly owned holdings. Husbands and wives make up 53 percent of all owners and hold 43 percent of all land (table 5). By state, the proportion of female owners ranges from a high of 21.3 percent in Illinois, to a low of 8.4 percent in Wisconsin (table 18). Non-response exceeded 10 percent only in Missouri (10.1), the next highest state was Kansas, where 7.4 percent of the respondents did not report the sex of the owner.

### Residence

Eighty-six percent of the owners (holding 77 percent of the privately owned land) reside in the same county as their reported holdings. By state the proportion of land held by owners residing in the same county as their reported holdings ranged from a high of 87.1 percent in Minnesota to a low of 67.2 percent in Kansas (table 24). Only 0.3 of one percent of the owners have residences or corporate headquarters in a foreign country (table 23 and figure 6). Foreign ownership accounts for about 0.1 of one percent of all land in the North Central States.

### Education

A similar proportion of land owners in the North Central States reported only a grade school education as opposed to a college education (table 25 and figure 7). However, those with only a grade school education owned nearly twice as much land as college graduates (22.4 and 11.7 percent



respectively). By state, the proportion of all land held by owners with only a grade school education ranged from a high of 31.8 percent in North Dakota and Minnesota to a low of 15.8 percent in Kansas (table 26). There was less variation in the proportion owned by college graduates, from a high of 17.4 percent in Kansas to a low of 7.5 percent in Minnesota. Non-response as to education averaged nearly 11 percent, ranging from 7 percent in Wisconsin to 19 percent in Missouri.

#### Size of Holdings

One percent of the ownership units (ie., individual, partnership, or corporation) own 26 percent of all private land in the North Central States (table 9). Five percent own 58 percent of land. At the other extreme, 80 percent own about 7 percent of all private land. However, many of these ownerships involve residential and commercial properties on small lots. The concentration of ownership varies considerably by state within the North Central States. For instance, holdings by the largest 5 percent of the owners range from a high of 65 percent of all land in Michigan to a low of 31 percent in Minnesota. A similar pattern exists for the largest 1 percent of the owners of all land.

Ownership of farm and ranch land is much less concentrated than all land in the North Central States (table 12). The holdings of the largest 1 percent of the owners comprise 14 percent of all farm and ranch land. The largest 5 percent hold 34 percent. The proportion of farm and ranch land acreage held by the largest 5 percent of the owners in the North Central States varied from 39 percent in Nebraska to 20 percent in Wisconsin.

#### How Acquired

Owners reported they acquired 17 percent of all land via inheritance, 53 percent was purchased from non-relatives and 19 percent was purchased from



relatives (table 19). Inherited land tended to be in larger than average units, the proportion of inherited land was three times as large as the proportion of owners who inherited land.

Acquisition from relatives, by purchase or inheritance, is most prevalent in North Dakota, Nebraska, and Illinois where 40 percent of the land is so acquired (table 20). Purchase from non-relatives is most common in Michigan, Ohio and Missouri, where it exceeds 60 percent of all land acquired.

#### When Acquired

About 28 percent of all land has been acquired (by 43 percent of the owners) since 1970 (table 21 and figure 5). Ten percent of all land has been held by the same owner since 1940. Owners who acquired land before 1950 tend to have larger holdings than the average, the 12.4 percent of the owners in this category own 25 percent of all land. The variation in period of acquisition among states was relatively small, ranging from 23 to 31 percent for the 1970 and later period and from 6 to 15 percent for the before 1940 period. Missouri and Kansas were the only states with non-response rates of 10 percent or more for period of acquisition.

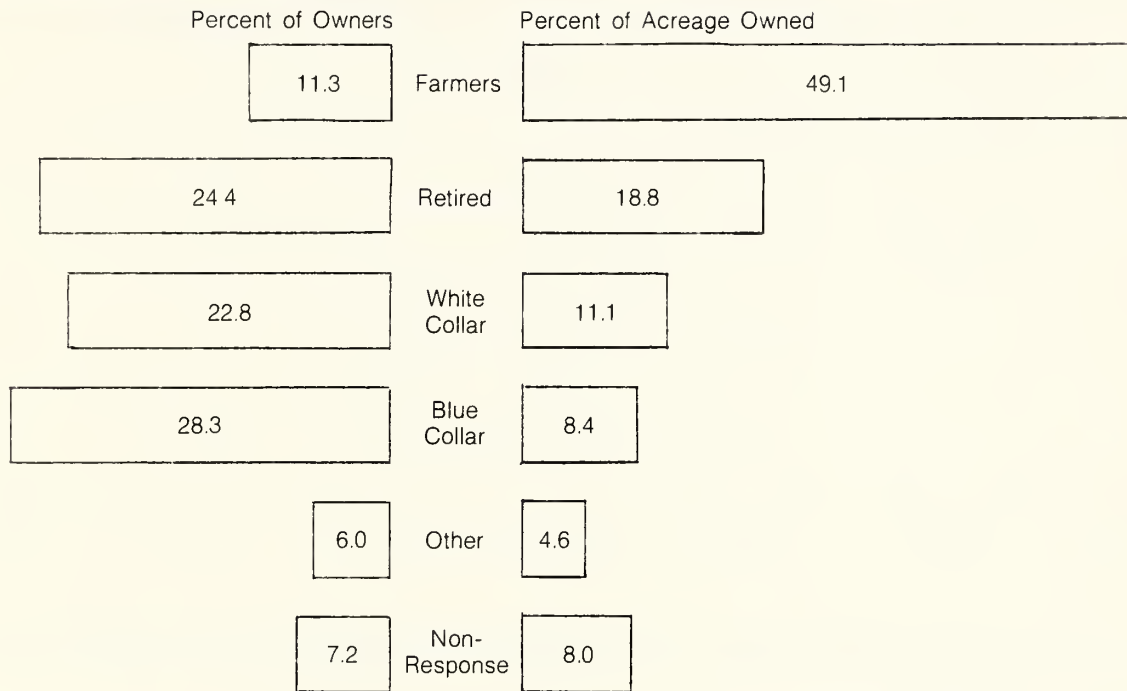






Figure 1

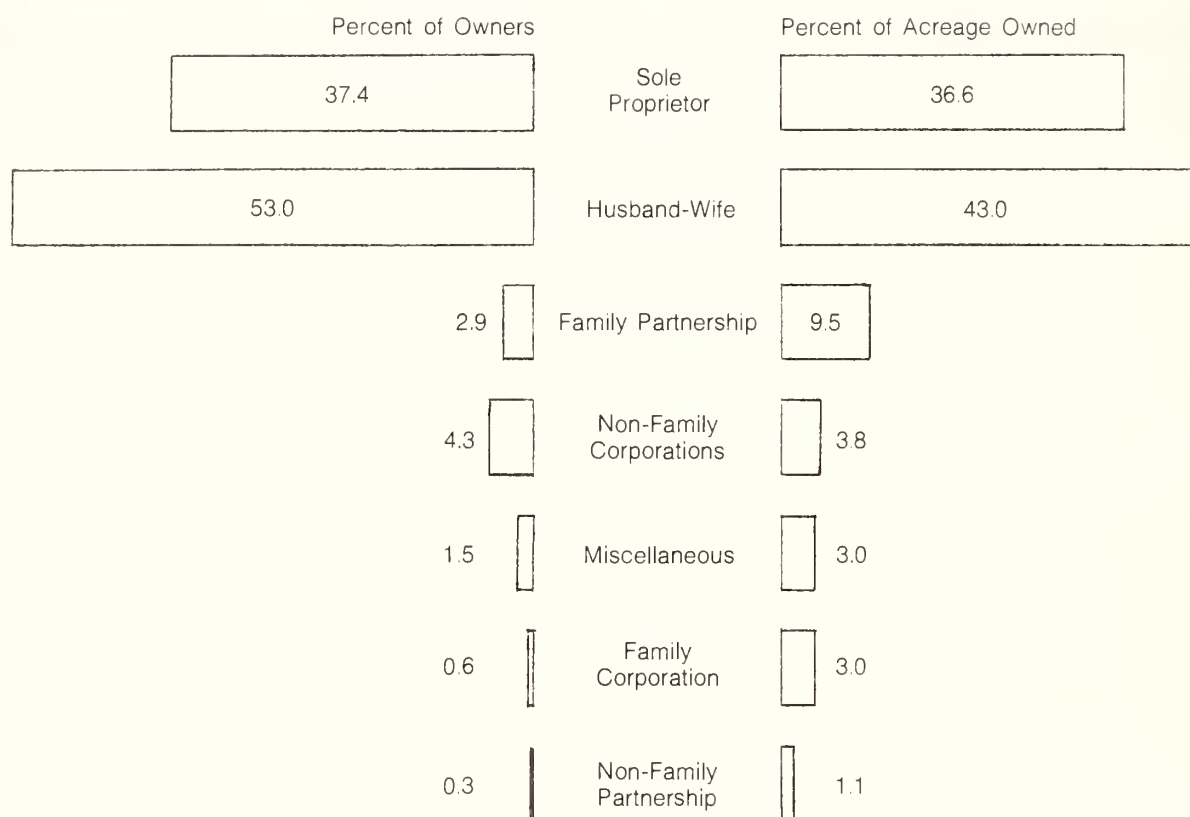
### Occupation of Landowners



Other includes such occupations as military, homemaker, and unemployed.  
 Source: 1978 ESCS Landownership Survey.



Figure 2

**Type of Owner**

Source: 1978 ESCS Landownership Survey.

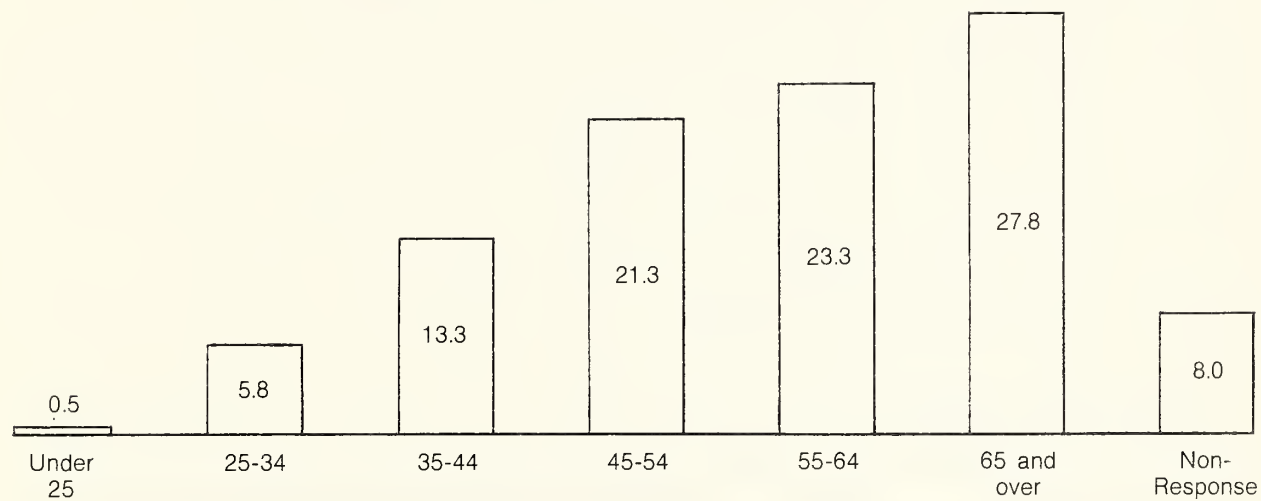


Figure 3

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**Age of Landowners**

Percent of Acreage Owned



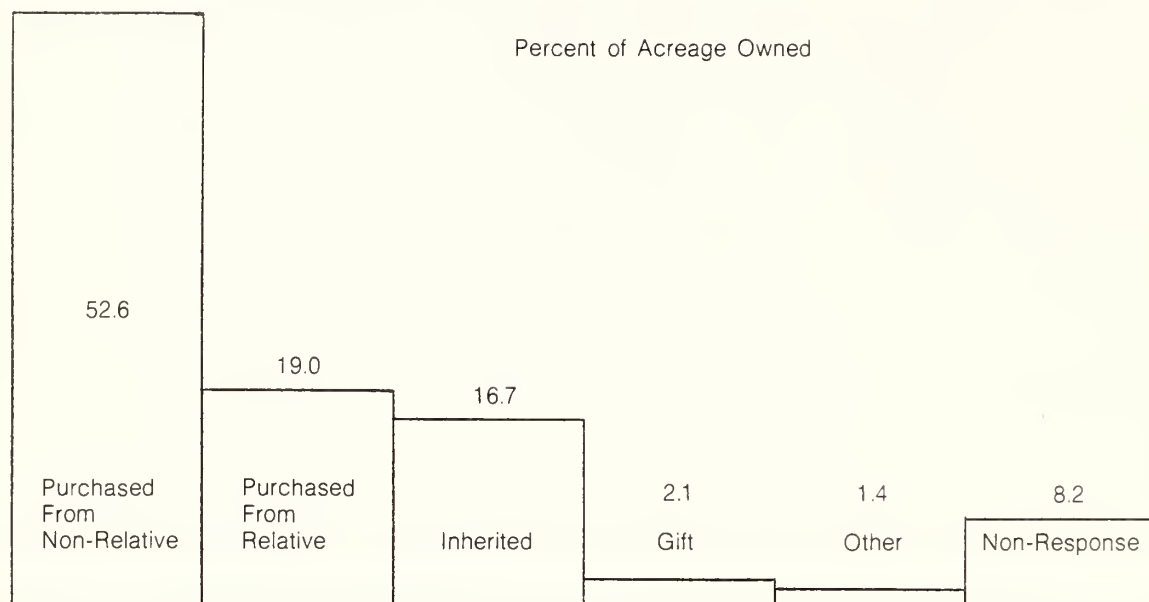
Source: 1978 ESCS Landownership Survey.

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Figure 4

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**Method of Acquisition of Land**

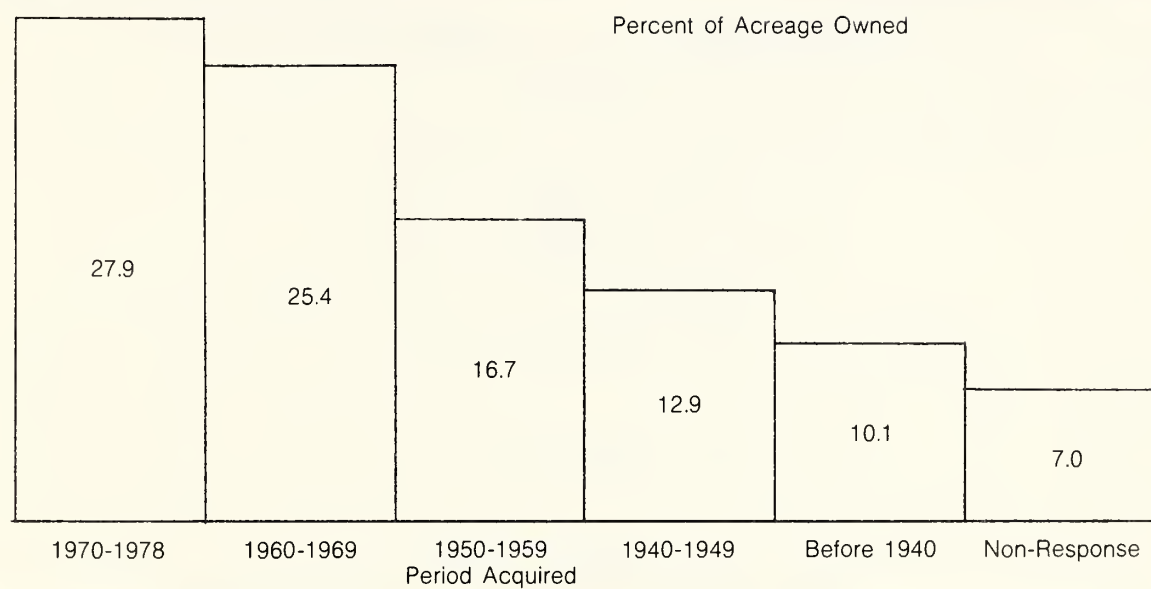
Source: 1978 ESCS Landownership Survey.

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Figure 5

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**Period of Acquisition of Land**

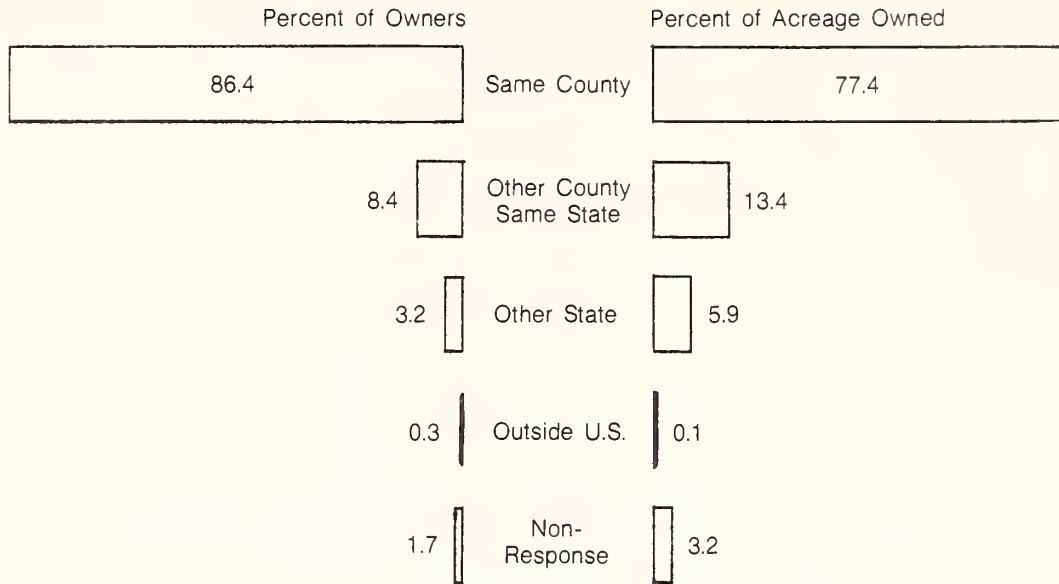
Source: 1978 ESCS Landownership Survey.

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Figure 6

# **Residence of Landowner**



Source: 1976 ESCS Landownership Survey.



Figure 7

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**Education of Landowner**

| Percent of Owners |                      | Percent of Acreage Owned |
|-------------------|----------------------|--------------------------|
| 17.3              | Grade School Only    | 22.4                     |
| 10.6              | Some High School     | 9.6                      |
| 32.4              | High School Graduate | 33.2                     |
| 14.4              | Some College         | 12.2                     |
| 15.9              | College Graduate     | 11.7                     |
| 9.4               | Non-Response         | 10.9                     |

Source: 1978 ESCS Landownership Survey.

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Table 1--Occupation: Distribution of owners and acres owned, all land,  
by occupation, North Central States

| Occupation <u>1/</u>                   | Ownership units |       | Acres owned      |       |
|----------------------------------------|-----------------|-------|------------------|-------|
|                                        | Thous.          | Pct.  | Million<br>acres | Pct.  |
| Farming <u>2/</u>                      | 851             | 11.3  | 193.9            | 49.1  |
| White collar                           | 1,717           | 22.8  | 43.8             | 11.1  |
| Blue collar <u>3/</u>                  | 2,133           | 28.3  | 33.0             | 8.4   |
| Retired                                | 1,842           | 24.4  | 74.4             | 18.8  |
| Other                                  | 454             | 6.0   | 18.0             | 4.6   |
| No response                            | 541             | 7.2   | 31.7             | 8.0   |
| Subtotal                               | 7,538           | 100.0 | 394.8            | 100.0 |
| Corporations and large<br>partnerships | 498             | --    | 31.5             | --    |
| Total                                  | 8,036           | --    | 426.3            | --    |

-- = Not applicable

1/ Sole owner or principal partner

2/ Including farm managers and farm laborers

3/ Including private household and service workers

Source: 1978 ESCS Landownership Survey







Table 3--Occupation: Distribution of owners and acres owned,  
farm and ranch land, by occupation, North Central States

| Occupation <sup>1/</sup>            | Ownership units |       | Acres owned   |       |
|-------------------------------------|-----------------|-------|---------------|-------|
|                                     | Thous.          | Pct.  | Million Acres | Pct.  |
| Farming <sup>2/</sup>               | 665             | 33.1  | 173.6         | 54.8  |
| White collar <sup>3/</sup>          | 368             | 18.3  | 33.4          | 10.5  |
| Blue collar <sup>3/</sup>           | 348             | 17.3  | 22.5          | 7.1   |
| Retired                             | 409             | 20.4  | 56.2          | 17.7  |
| Other                               | 114             | 5.7   | 14.3          | 4.5   |
| No response                         | 105             | 5.2   | 17.1          | 5.4   |
| Subtotal                            | 2,009           | 100.0 | 317.1         | 100.0 |
| Corporations and large partnerships | 49              | --    | 16.1          | --    |
| Total                               | 2,058           | --    | 333.2         | --    |

-- = Not applicable

<sup>1/</sup> Sole owner or principal partner

<sup>2/</sup> Including farm managers and farm laborers

<sup>3/</sup> Including private household and service workers

Source: 1978 ESCS Landownership Survey



Table 4--Occupation: Distribution of acres owned, farm and ranch land  
by occupation, by state, North Central States<sup>1/</sup>

| State and<br>region              | Occupation              |                 |                              |         |       |                |       |
|----------------------------------|-------------------------|-----------------|------------------------------|---------|-------|----------------|-------|
|                                  | Farming <sup>2/</sup>   | White<br>collar | Blue<br>collar <sup>3/</sup> | Retired | Other | No<br>response | Total |
|                                  | :                       | :               | :                            | :       | :     | :              | :     |
|                                  | <u>Percent of acres</u> |                 |                              |         |       |                |       |
| Michigan                         | 36.8                    | 13.7            | 20.1                         | 18.8    | 3.8   | 6.8            | 100.0 |
| Minnesota                        | 62.5                    | 7.7             | 7.7                          | 15.5    | 2.1   | 4.5            | 100.0 |
| Wisconsin                        | 60.1                    | 9.7             | 13.8                         | 11.0    | 2.3   | 3.1            | 100.0 |
| Lake                             | 56.5                    | 9.6             | 12.1                         | 14.8    | 2.5   | 4.5            | 100.0 |
| Illinois                         | 43.1                    | 15.8            | 6.5                          | 21.0    | 6.5   | 7.1            | 100.0 |
| Indiana                          | 36.9                    | 15.4            | 14.0                         | 23.5    | 5.1   | 5.1            | 100.0 |
| Iowa                             | 55.0                    | 9.3             | 4.8                          | 21.9    | 3.9   | 5.1            | 100.0 |
| Missouri                         | 45.8                    | 14.5            | 9.8                          | 17.4    | 4.4   | 8.1            | 100.0 |
| Ohio                             | 37.3                    | 13.7            | 16.8                         | 21.7    | 4.8   | 5.7            | 100.0 |
| Corn Belt                        | 45.1                    | 13.3            | 9.5                          | 20.9    | 4.9   | 6.3            | 100.0 |
| Kansas                           | 52.1                    | 14.0            | 1.9                          | 19.5    | 6.1   | 6.4            | 100.0 |
| Nebraska                         | 62.3                    | 6.4             | 3.9                          | 15.2    | 5.7   | 6.5            | 100.0 |
| North Dakota                     | 66.1                    | 6.3             | 2.7                          | 15.6    | 4.4   | 4.9            | 100.0 |
| South Dakota                     | 67.9                    | 7.4             | 3.6                          | 15.1    | 3.9   | 2.1            | 100.0 |
| Northern<br>Plains               | 61.7                    | 8.7             | 3.0                          | 16.5    | 5.1   | 5.0            | 100.0 |
| North<br>Central                 | 54.8                    | 10.5            | 7.1                          | 17.7    | 4.5   | 5.4            | 100.0 |
| United<br>States <sup>4/5/</sup> | 53.6                    | 13.4            | 7.6                          | 15.8    | 4.1   | 5.5            | 100.0 |

<sup>1/</sup> Not including corporations and large partnerships

<sup>2/</sup> Including farm managers and farm laborers

<sup>3/</sup> Including private household and service workers

<sup>4/</sup> Excluding Alaska

<sup>5/</sup> Revised

Source: 1978 ESCS Landownership Survey



Table 5--Type of landowner: Distribution of ownership units and acres owned, all land, by owner type, North Central States

| Owner type                  | : | Ownership units |             | : | Acres owned          |             |
|-----------------------------|---|-----------------|-------------|---|----------------------|-------------|
|                             |   | <u>Thous.</u>   | <u>Pct.</u> |   | <u>Million acres</u> | <u>Pct.</u> |
| Sole proprietor             | : | 3,007           | 37.4        | : | 156.2                | 36.6        |
| Husband-wife                | : | 4,259           | 53.0        | : | 183.2                | 43.0        |
| Family partnership          | : | 230             | 2.9         | : | 40.3                 | 9.5         |
| Nonfamily partnership       | : | 27              | 0.3         | : | 4.6                  | 1.1         |
| Family corporation          | : | 49              | 0.6         | : | 12.8                 | 3.0         |
| Nonfamily corporation       | : | 346             | 4.3         | : | 16.4                 | 3.8         |
| Other, <u>miscellaneous</u> | : | 118             | 1.5         | : | 12.8                 | 3.0         |
| Total                       | : | 8,036           | 100.0       | : | 426.3                | 100.0       |

Source: 1978 ESCS Landownership Survey



Table 6--Type of landowner: Distribution of acres owned, all land,  
by owner type, by state, North Central States

| State and<br>region                          | Owner type         |                  |                            |                                    |                            |                                    |       |       |
|----------------------------------------------|--------------------|------------------|----------------------------|------------------------------------|----------------------------|------------------------------------|-------|-------|
|                                              | Sole<br>proprietor | Husband<br>-wife | Family<br>partner-<br>ship | Non-<br>family<br>partner-<br>ship | Family<br>corpo-<br>ration | Non-<br>family<br>corpo-<br>ration | Misc. | Total |
|                                              | Percent of acres   |                  |                            |                                    |                            |                                    |       |       |
| Michigan                                     | 26.5               | 49.3             | 6.5                        | 1.8                                | 0.9                        | 13.8                               | 1.2   | 100.0 |
| Minnesota                                    | 40.6               | 44.2             | 7.5                        | 0.6                                | 1.0                        | 4.0                                | 2.1   | 100.0 |
| Wisconsin                                    | 31.7               | 49.4             | 6.3                        | 1.7                                | 2.6                        | 7.5                                | 0.8   | 100.0 |
| Lake <sup>1/</sup>                           | 33.8               | 47.3             | 6.8                        | 1.3                                | 1.4                        | 8.0                                | 1.4   | 100.0 |
| Illinois                                     | 37.8               | 40.9             | 7.1                        | 1.1                                | 1.2                        | 2.9                                | 9.0   | 100.0 |
| Indiana                                      | 40.3               | 41.0             | 9.1                        | 0.4                                | 3.3                        | 3.9                                | 2.0   | 100.0 |
| Iowa                                         | 39.8               | 41.4             | 8.5                        | 1.0                                | 2.8                        | 2.3                                | 4.2   | 100.0 |
| Missouri                                     | 28.2               | 54.9             | 8.4                        | 1.6                                | 2.7                        | 3.2                                | 1.0   | 100.0 |
| Ohio                                         | 31.6               | 46.8             | 9.8                        | 0.9                                | 1.2                        | 7.1                                | 2.6   | 100.0 |
| Corn Belt <sup>1/</sup>                      | 35.1               | 45.6             | 8.5                        | 1.1                                | 2.3                        | 3.6                                | 3.8   | 100.0 |
| Kansas                                       | 39.3               | 38.9             | 12.0                       | 1.3                                | 2.5                        | 2.1                                | 3.9   | 100.0 |
| Nebraska                                     | 30.9               | 38.5             | 10.7                       | 1.1                                | 11.5                       | 3.2                                | 4.1   | 100.0 |
| North Dakota                                 | 45.8               | 41.9             | 9.5                        | 0.9                                | --                         | 0.2                                | 1.7   | 100.0 |
| South Dakota                                 | 43.4               | 34.1             | 14.8                       | 0.6                                | 3.1                        | 1.9                                | 2.1   | 100.0 |
| Northern<br>Plains <sup>1/</sup>             | 39.5               | 38.5             | 11.7                       | 1.0                                | 4.4                        | 1.9                                | 3.0   | 100.0 |
| North<br>Central                             | 36.6               | 43.0             | 9.5                        | 1.1                                | 3.0                        | 3.8                                | 3.0   | 100.0 |
| United<br>States <sup>1/</sup> <sup>2/</sup> | 34.0               | 32.3             | 10.6                       | 2.2                                | 4.4                        | 12.5                               | 4.0   | 100.0 |

<sup>1/</sup> Revised

<sup>2/</sup> Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 7--Type of landowner: Distribution of ownership units and acres owned,  
farm and ranch land, by owner type, North Central States

| Owner type            | Ownership units |       | Acres owned   |       |
|-----------------------|-----------------|-------|---------------|-------|
|                       | Thous.          | Pct.  | Million acres | Pct.  |
| Sole proprietor       | 830             | 40.4  | 124.4         | 37.4  |
| Husband-wife          | 1,013           | 49.2  | 147.0         | 44.1  |
| Family partnership    | 124             | 6.0   | 33.0          | 9.9   |
| Nonfamily partnership | 17              | .8    | 3.1           | .9    |
| Family corporation    | 20              | 1.0   | 12.0          | 3.6   |
| Nonfamily corporation | 14              | .7    | 3.8           | 1.1   |
| Miscellaneous         | 40              | 1.9   | 9.9           | 3.0   |
| Total                 | 2,058           | 100.0 | 333.2         | 100.0 |

Source: 1978 ESCS Landownership Survey



Table 8--Type of landowner: Distribution of acres owned, farm and ranch land,  
by owner type, by state, North Central States

| State and<br>region              | Owner type         |                  |                            |                               |                            |                               |       | Total |
|----------------------------------|--------------------|------------------|----------------------------|-------------------------------|----------------------------|-------------------------------|-------|-------|
|                                  | Sole<br>proprietor | Husband-<br>wife | Family<br>partner-<br>ship | Nonfamily<br>partner-<br>ship | Family<br>corpo-<br>ration | Nonfamily<br>corpo-<br>ration | Misc. |       |
|                                  | Percent of acres   |                  |                            |                               |                            |                               |       |       |
| Michigan                         | 30.2               | 60.7             | 5.9                        | 0.6                           | 0.9                        | 0.9                           | 0.8   | 100.0 |
| Minnesota                        | 41.4               | 45.9             | 7.8                        | 0.4                           | 1.7                        | 0.9                           | 1.9   | 100.0 |
| Wisconsin                        | 33.5               | 54.0             | 6.8                        | 0.9                           | 2.7                        | 1.9                           | 0.2   | 100.0 |
| Lake                             | 36.7               | 51.4             | 7.1                        | 0.6                           | 1.8                        | 1.2                           | 1.2   | 100.0 |
| Illinois                         | 36.5               | 42.5             | 7.9                        | 1.4                           | 1.5                        | 1.4                           | 8.8   | 100.0 |
| Indiana                          | 40.3               | 42.3             | 9.8                        | 0.3                           | 3.7                        | 2.4                           | 1.2   | 100.0 |
| Iowa                             | 38.9               | 41.8             | 8.7                        | 1.1                           | 3.9                        | 0.9                           | 4.7   | 100.0 |
| Missouri                         | 27.4               | 57.9             | 8.5                        | 1.5                           | 3.1                        | 0.6                           | 1.0   | 100.0 |
| Ohio                             | 32.7               | 49.4             | 12.1                       | 1.1                           | 1.3                        | 1.8                           | 1.6   | 100.0 |
| Corn Belt <sup>2/</sup>          | 35.0               | 46.9             | 9.2                        | 1.1                           | 2.8                        | 1.3                           | 3.7   | 100.0 |
| Kansas                           | 38.6               | 39.3             | 12.5                       | 1.3                           | 3.0                        | 1.2                           | 4.1   | 100.0 |
| Nebraska                         | 32.2               | 37.8             | 9.8                        | 1.1                           | 12.7                       | 2.0                           | 4.4   | 100.0 |
| North Dakota                     | 44.5               | 43.6             | 9.5                        | 0.7                           | -                          | 0.1                           | 1.6   | 100.0 |
| South Dakota                     | 43.0               | 33.9             | 15.1                       | 0.7                           | 4.5                        | 0.6                           | 2.2   | 100.0 |
| Northern<br>Plains <sup>2/</sup> | 39.5               | 38.8             | 11.7                       | 0.9                           | 5.0                        | 1.0                           | 3.1   | 100.0 |
| North<br>Central                 | 37.4               | 44.1             | 9.9                        | 0.9                           | 3.6                        | 1.1                           | 3.0   | 100.0 |
| United<br>States <sup>1/2/</sup> | 35.8               | 35.7             | 12.1                       | 2.0                           | 6.6                        | 3.9                           | 3.9   | 100.0 |

<sup>1/</sup> Excluding Alaska

<sup>2/</sup> Revised

Source: 1978 ESCS Landownership Survey



Table 9--Size of holdings: Distribution of ownership units and acres owned,  
all land, by size of holdings, North Central States

| Size of<br>holdings | : | Ownership units |        |                | :                | Acres owned |                |
|---------------------|---|-----------------|--------|----------------|------------------|-------------|----------------|
|                     | : |                 |        |                | :                |             |                |
| Acres               | : | Thous.          | Pct.   | Accum.<br>pct. | Million<br>acres | Pct.        | Accum.<br>pct. |
| Less than 10        | : | 5,677.7         | 70.65  | 70.65          | 9.1              | 2.1         | 2.1            |
| 10-49               | : | 753.0           | 9.37   | 80.02          | 18.7             | 4.4         | 6.5            |
| 50-69               | : | 144.0           | 1.79   | 81.81          | 8.4              | 2.0         | 8.5            |
| 70-99               | : | 326.9           | 4.07   | 85.88          | 26.5             | 6.2         | 14.7           |
| 100-139             | : | 229.9           | 2.86   | 88.74          | 26.7             | 6.3         | 21.0           |
|                     | : |                 |        |                |                  |             |                |
| 140-179             | : | 293.9           | 3.66   | 92.40          | 46.5             | 10.9        | 31.9           |
| 180-259             | : | 222.9           | 2.77   | 95.17          | 48.2             | 11.3        | 43.2           |
| 260-499             | : | 248.4           | 3.09   | 98.26          | 88.2             | 20.7        | 63.9           |
| 500-999             | : | 99.6            | 1.24   | 99.50          | 69.1             | 16.2        | 80.1           |
| 1,000-1,999         | : | 28.8            | 0.36   | 99.86          | 38.1             | 8.9         | 89.0           |
|                     | : |                 |        |                |                  |             |                |
| 2,000-2,999         | : | 5.6             | 0.07   | 99.93          | 13.2             | 3.1         | 92.1           |
| 3,000-4,999         | : | 3.4             | 0.04   | 99.97          | 12.3             | 2.9         | 95.0           |
| 5,000-9,999         | : | 1.3             | 0.02   | 99.99          | 8.5              | 2.0         | 97.0           |
| 10,000 and over     | : | 0.7             | 0.01   | 100.00         | 12.8             | 3.0         | 100.0          |
|                     | : |                 |        |                |                  |             |                |
| Total               | : | 8,036.1         | 100.00 | --             | 426.3            | 100.0       | --             |
|                     | : |                 |        |                |                  |             |                |

-- = Not applicable

Source: 1978 ESCS Landownership Survey



Table 10--Size of holdings: State and regional concentration of  
landownership, all land, North Central States

| State or region      | Proportion of acreage held by: |                      |
|----------------------|--------------------------------|----------------------|
|                      | Largest 5% of owners           | Largest 1% of owners |
|                      | <u>Percent</u>                 |                      |
| Michigan             | 65                             | 34                   |
| Minnesota            | 31                             | 11                   |
| Wisconsin            | 53                             | 19                   |
| Lake                 | 55                             | 23                   |
| Illinois             | 57                             | 21                   |
| Indiana              | 49                             | 18                   |
| Iowa                 | 34                             | 12                   |
| Missouri             | 39                             | 15                   |
| Ohio                 | 59                             | 25                   |
| Corn Belt            | 51                             | 20                   |
| Kansas               | 43                             | 18                   |
| Nebraska             | 47                             | 25                   |
| North Dakota         | 37                             | 12                   |
| South Dakota         | 58                             | 28                   |
| Northern Plains      | 41                             | 22                   |
| North Central        | 58                             | 26                   |
| U.S. Total <u>1/</u> | 75                             | 48                   |

1/ Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 11--Size of holdings: Distribution of ownership units and acres owned, farm and ranch land, by size of holding, North Central States

| Size of holdings | : | Ownership units |             |                              | :                              | Acres owned |                             |
|------------------|---|-----------------|-------------|------------------------------|--------------------------------|-------------|-----------------------------|
|                  | : |                 |             |                              | :                              |             |                             |
| <u>Acres</u>     | : | <u>Thous.</u>   | <u>Pct.</u> | <u>Accum.</u><br><u>pct.</u> | <u>Million</u><br><u>acres</u> | <u>Pct.</u> | <u>Accum</u><br><u>pct.</u> |
| Less than 10     | : | 314             | 15.25       | 15.25                        | 1.1                            | .35         | .35                         |
| 10-49            | : | 479             | 23.27       | 38.52                        | 12.7                           | 3.81        | 4.16                        |
| 50-69            | : | 99              | 4.80        | 43.32                        | 5.7                            | 1.72        | 5.88                        |
| 70-99            | : | 243             | 11.84       | 55.16                        | 19.7                           | 5.91        | 11.79                       |
| 100-139          | : | 184             | 8.93        | 64.09                        | 21.3                           | 6.39        | 18.18                       |
|                  | : |                 |             |                              |                                |             |                             |
| 140-179          | : | 240             | 11.68       | 75.77                        | 38.0                           | 11.41       | 29.59                       |
| 180-259          | : | 178             | 8.64        | 84.41                        | 38.6                           | 11.59       | 41.18                       |
| 260-499          | : | 205             | 9.98        | 94.39                        | 73.1                           | 21.94       | 63.12                       |
| 500-999          | : | 82              | 3.97        | 98.36                        | 56.6                           | 16.98       | 80.10                       |
| 1,000-1,999      | : | 25              | 1.20        | 99.56                        | 32.6                           | 9.77        | 89.87                       |
|                  | : |                 |             |                              |                                |             |                             |
| 2,000-2,999      | : | 5               | 0.23        | 99.79                        | 11.1                           | 3.33        | 93.20                       |
| 3,000-4,999      | : | 3               | 0.14        | 99.93                        | 10.1                           | 3.04        | 96.24                       |
| 5,000-9,999      | : | 1               | 0.05        | 99.98                        | 6.2                            | 1.85        | 98.09                       |
| 10,000 and over  | : | <u>1</u> /      | 0.02        | 100.00                       | 6.4                            | 1.91        | 100.00                      |
|                  | : |                 |             |                              |                                |             |                             |
| Total            | : | 2,058           | 100.00      | --                           | 333.2                          | 100.00      | --                          |

-- = Not applicable

1/ Less than 500

Source: 1978 ESCS Landownership Survey



Table 12--Size of holdings: State and regional concentration of landownership,  
farm and ranch land, North Central States

| State or<br>region        | Proportion of acreage held by: |                      |
|---------------------------|--------------------------------|----------------------|
|                           | Largest 5% of owners           | Largest 1% of owners |
|                           | <u>Percent</u>                 |                      |
| Michigan                  | 29                             | 11                   |
| Minnesota                 | 22                             | 7                    |
| Wisconsin                 | 20                             | 7                    |
| Lake <u>1/</u>            | 24                             | 8                    |
| Illinois                  | 25                             | 8                    |
| Indiana                   | 27                             | 9                    |
| Iowa                      | 24                             | 6                    |
| Missouri                  | 28                             | 10                   |
| Ohio                      | 25                             | 9                    |
| Corn Belt <u>1/</u>       | 25                             | 8                    |
| Kansas                    | 31                             | 14                   |
| Nebraska                  | 39                             | 19                   |
| North Dakota              | 21                             | 8                    |
| South Dakota              | 38                             | 16                   |
| Northern Plains <u>1/</u> | 33                             | 15                   |
| North Central             | 34                             | 14                   |
| United States <u>1/ 2</u> | 52                             | 30                   |

1/ Revised

2/ Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 13--Race: Distribution of owners and acres owned,  
all land, by race, North Central States

| Race                                   | : | Ownership units |             | : | Acres owned         |             |
|----------------------------------------|---|-----------------|-------------|---|---------------------|-------------|
|                                        |   | <u>Thous.</u>   | <u>Pct.</u> |   | <u>Thous. acres</u> | <u>Pct.</u> |
| White, non-Hispanic                    | : | 7,011           | 93.0        | : | 370,084             | 93.7        |
| Black, non-Hispanic                    | : | 59              | 0.8         | : | 393                 | 0.1         |
| Hispanic                               | : | 29              | 0.4         | : | 108                 | <u>1/</u>   |
| Asian or Pacific Islander              | : | <u>2/</u>       | <u>1/</u>   | : | 29                  | <u>1/</u>   |
| American Indian                        | : | 14              | 0.2         | : | 1,093               | 0.3         |
| Other                                  | : | 21              | 0.3         | : | 237                 | 0.1         |
| No response                            | : | 404             | 5.3         | : | 22,805              | 5.8         |
| Subtotal                               | : | 7,538           | 100.0       | : | 394,749             | 100.0       |
| Corporations and large<br>partnerships | : | 498             | --          | : | 31,512              | --          |
| Total                                  | : | 8,036           | --          | : | 426,261             | --          |

-- = Not applicable

1/Less than .05 percent

2/Less than 500

Source: 1978 ESCS Landownership Survey



Table 14--Race: Distribution of owners and acres owned, all land,  
by race, by state, North Central States

| State and<br>region            | Race                       |                            |           |           |                    |           |                | Total |
|--------------------------------|----------------------------|----------------------------|-----------|-----------|--------------------|-----------|----------------|-------|
|                                | White,<br>non-<br>Hispanic | Black,<br>non-<br>Hispanic | Hispanic  | Asian     | American<br>Indian | Other     | No<br>response |       |
|                                | :                          | :                          | :         | :         | :                  | :         | :              |       |
|                                | Percent of acres           |                            |           |           |                    |           |                |       |
| Michigan                       | 92.4                       | 0.3                        | -         | -         | 0.3                | -         | 7.0            | 100.0 |
| Minnesota                      | 95.7                       | -                          | -         | -         | 0.1                | -         | 4.2            | 100.0 |
| Wisconsin                      | 95.2                       | 0.2                        | 0.2       | -         | -                  | 0.3       | 4.1            | 100.0 |
| Lake                           | 94.6                       | 0.2                        | 0.1       | -         | 0.1                | 0.1       | 4.9            | 100.0 |
| Illinois                       | 92.8                       | 0.4                        | -         | -         | -                  | -         | 6.8            | 100.0 |
| Indiana                        | 97.7                       | 0.1                        | 0.1       | -         | -                  | -         | 2.1            | 100.0 |
| Iowa                           | 94.1                       | -                          | -         | -         | -                  | 0.3       | 5.6            | 100.0 |
| Missouri                       | 89.9                       | -                          | -         | 0.1       | 0.2                | -         | 9.8            | 100.0 |
| Ohio                           | 97.3                       | 0.2                        | -         | -         | 0.1                | 0.1       | 2.3            | 100.0 |
| Corn Belt                      | 93.7                       | 0.1                        | <u>2/</u> | <u>2/</u> | 0.1                | 0.1       | 6.0            | 100.0 |
| Kansas                         | 92.1                       | 0.2                        | <u>2/</u> | -         | 0.1                | 0.1       | 7.5            | 100.0 |
| Nebraska                       | 93.3                       | -                          | -         | -         | 0.1                | -         | 6.6            | 100.0 |
| North Dakota                   | 93.0                       | -                          | -         | -         | 1.3                | -         | 5.7            | 100.0 |
| South Dakota                   | 95.3                       | -                          | 0.1       | -         | 0.8                | -         | 3.8            | 100.0 |
| Northern<br>Plains             | 93.4                       | <u>2/</u>                  | <u>2/</u> | -         | 0.6                | <u>2/</u> | 6.0            | 100.0 |
| North<br>Central               | 93.7                       | 0.1                        | <u>2/</u> | <u>2/</u> | 0.3                | 0.1       | 5.8            | 100.0 |
| United<br>States <sup>3/</sup> | 91.0                       | 0.9                        | 0.7       | 0.1       | 0.4                | 0.1       | 6.8            | 100.0 |

<sup>1/</sup> Including Pacific Islanders

<sup>2/</sup> Less than .05 percent

<sup>3/</sup> Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 15--Age: Distribution of owners and acres owned, all land,  
by age of owners, North Central States

| Age                                 | Ownership units |             | Acres owned          |             |
|-------------------------------------|-----------------|-------------|----------------------|-------------|
|                                     | <u>Thous.</u>   | <u>Pct.</u> | <u>Million acres</u> | <u>Pct.</u> |
| Under 25                            | 29              | 0.4         | 2.1                  | 0.5         |
| 25-34                               | 1,074           | 14.3        | 22.7                 | 5.8         |
| 35-44                               | 1,284           | 17.0        | 52.5                 | 13.3        |
| 45-54                               | 1,633           | 21.7        | 84.1                 | 21.3        |
| 55-64                               | 1,290           | 17.1        | 92.1                 | 23.3        |
| 65 and over                         | 1,714           | 22.7        | 109.9                | 27.8        |
| No response                         | 514             | 6.8         | 31.4                 | 8.0         |
| Subtotal                            | 7,538           | 100.0       | 394.8                | 100.0       |
| Corporations and large partnerships | 498             | --          | 31.5                 | --          |
| Total                               | 8,036           | --          | 426.3                | --          |

-- = Not applicable

Source: 1978 ESCS Landownership Survey



Table 16--Age: Distribution of acres owned, all land, by age,  
by state, North Central States<sup>1/</sup>

| State and<br>region              | Age                     |       |       |       |       |                |                |       | Total |
|----------------------------------|-------------------------|-------|-------|-------|-------|----------------|----------------|-------|-------|
|                                  | Under 25                | 25-34 | 35-44 | 45-54 | 55-64 | 65 and<br>over | No<br>response |       |       |
|                                  | <u>Percent of acres</u> |       |       |       |       |                |                |       |       |
| Michigan                         | 0.6                     | 7.1   | 13.8  | 22.2  | 23.1  | 24.4           | 8.8            | 100.0 |       |
| Minnesota                        | 0.3                     | 7.7   | 19.4  | 21.6  | 21.4  | 22.8           | 6.8            | 100.0 |       |
| Wisconsin                        | 0.8                     | 9.2   | 18.5  | 24.1  | 21.5  | 21.1           | 4.8            | 100.0 |       |
| Lake                             | 0.5                     | 8.0   | 17.6  | 22.5  | 21.9  | 22.8           | 6.7            | 100.0 |       |
| Illinois                         | 0.2                     | 4.2   | 12.8  | 19.1  | 20.9  | 34.3           | 8.5            | 100.0 |       |
| Indiana                          | 0.8                     | 5.2   | 12.6  | 20.6  | 28.7  | 26.8           | 5.3            | 100.0 |       |
| Iowa                             | 0.1                     | 5.0   | 16.0  | 18.9  | 22.5  | 29.2           | 8.3            | 100.0 |       |
| Missouri                         | 0.8                     | 5.6   | 12.8  | 19.4  | 21.4  | 26.8           | 13.2           | 100.0 |       |
| Ohio                             | 0.5                     | 6.5   | 13.6  | 19.7  | 25.1  | 28.7           | 5.9            | 100.0 |       |
| Corn Belt                        | 0.5                     | 5.3   | 13.6  | 19.4  | 23.1  | 29.2           | 8.9            | 100.0 |       |
| Kansas                           | 0.4                     | 4.6   | 7.8   | 20.8  | 23.2  | 34.7           | 8.5            | 100.0 |       |
| Nebraska                         | 0.7                     | 2.8   | 10.1  | 21.1  | 23.8  | 33.1           | 8.4            | 100.0 |       |
| North Dakota                     | 0.6                     | 4.9   | 14.0  | 24.9  | 23.7  | 24.1           | 7.8            | 100.0 |       |
| South Dakota                     | 0.6                     | 8.4   | 12.2  | 23.0  | 26.6  | 23.2           | 6.0            | 100.0 |       |
| Northern<br>Plains               | 0.6                     | 5.1   | 10.8  | 22.3  | 24.2  | 29.2           | 7.8            | 100.0 |       |
| North<br>Central                 | 0.5                     | 5.8   | 13.3  | 21.3  | 23.3  | 27.8           | 8.0            | 100.0 |       |
| United<br>States <sup>2/3/</sup> | 0.4                     | 5.0   | 12.5  | 21.3  | 23.6  | 28.1           | 9.1            | 100.0 |       |

<sup>1/</sup>Not including corporations and large partnerships

<sup>2/</sup>Revised

<sup>3/</sup>Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 17--Sex: Distribution of owners, and acres owned, all land,  
by sex of landowner, North Central States

| Sex                                    | : | Ownership units |       | : | Acres owned   |       |
|----------------------------------------|---|-----------------|-------|---|---------------|-------|
|                                        |   | Thous.          | Pct.  |   | Million acres | Pct.  |
| Male                                   | : | 6,107           | 81.0  | : | 314.3         | 79.6  |
| Female                                 | : | 1,064           | 14.1  | : | 58.2          | 14.8  |
| No response                            | : | 367             | 4.9   | : | 22.2          | 5.6   |
| Subtotal                               | : | 7,538           | 100.0 | : | 394.7         | 100.0 |
| Corporations and large<br>partnerships | : | 498             | --    | : | 31.5          | --    |
| Total                                  | : | 8,036           | --    | : | 426.2         | --    |

-- = Not applicable

Source: 1978 ESCS Landownership Survey



Table 18--Sex: Distribution of acres owned, all land,  
by sex of owners, by state, North Central States

| State and<br>region         | Sex                     |        |             |       |
|-----------------------------|-------------------------|--------|-------------|-------|
|                             | Male                    | Female | No response | Total |
|                             | <u>Percent of acres</u> |        |             |       |
| Michigan                    | 82.2                    | 11.0   | 6.8         | 100.0 |
| Minnesota                   | 87.2                    | 9.2    | 3.6         | 100.0 |
| Wisconsin                   | 87.3                    | 8.4    | 4.3         | 100.0 |
| Lake                        | 85.8                    | 9.5    | 4.7         | 100.0 |
| Illinois                    | 71.8                    | 21.3   | 6.9         | 100.0 |
| Indiana                     | 80.4                    | 17.6   | 2.0         | 100.0 |
| Iowa                        | 80.5                    | 14.3   | 5.2         | 100.0 |
| Missouri                    | 77.2                    | 12.7   | 10.1        | 100.0 |
| Ohio                        | 79.1                    | 17.1   | 3.8         | 100.0 |
| Corn Belt                   | 77.6                    | 16.2   | 6.2         | 100.0 |
| Kansas                      | 73.2                    | 19.4   | 7.4         | 100.0 |
| Nebraska                    | 78.0                    | 15.3   | 6.7         | 100.0 |
| North Dakota                | 79.4                    | 15.5   | 5.1         | 100.0 |
| South Dakota                | 84.0                    | 13.4   | 2.6         | 100.0 |
| Northern Plains             | 78.3                    | 16.1   | 5.6         | 100.0 |
| North Central               | 79.6                    | 14.8   | 5.6         | 100.0 |
| United States <sup>1/</sup> | 78.9                    | 14.7   | 6.4         | 100.0 |

<sup>1/</sup> Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 19--Method of acquisition: Distribution of acres owned, all land,  
by method, North Central States

| Method                     | : | Ownership units |             | : | Acres owned          |             |
|----------------------------|---|-----------------|-------------|---|----------------------|-------------|
|                            | : |                 |             | : |                      |             |
|                            | : | <u>Thous.</u>   | <u>Pct.</u> |   | <u>Million acres</u> | <u>Pct.</u> |
| Purchased from nonrelative | : | 6,088           | 75.8        |   | 224.0                | 52.6        |
| Purchased from relative    | : | 998             | 12.4        |   | 81.1                 | 19.0        |
| Inherited                  | : | 442             | 5.5         |   | 71.3                 | 16.7        |
| Gift                       | : | 79              | 1.0         |   | 9.0                  | 2.1         |
| Other                      | : | 125             | 1.5         |   | 5.7                  | 1.4         |
| No response                | : | 304             | 3.8         |   | 35.1                 | 8.2         |
| Total                      | : | 8,036           | 100.0       |   | 426.2                | 100.0       |

-- - Not applicable

Source: 1978 ESCS Landownership Survey



Table 20--Method of acquisition: Distribution of acres owned,  
all land, by method, by state, North Central States

| State and<br>region           | Method of acquisition |          |                |      |       |                |       |
|-------------------------------|-----------------------|----------|----------------|------|-------|----------------|-------|
|                               | Purchased from        |          | Inher-<br>ited | Gift | Other | No<br>response | Total |
|                               | Non-<br>relative      | relative |                |      |       |                |       |
|                               |                       |          |                |      |       |                |       |
| <u>Percent of acres</u>       |                       |          |                |      |       |                |       |
| Michigan                      | 68.6                  | 15.6     | 8.4            | 1.5  | 0.6   | 5.3            | 100.0 |
| Minnesota                     | 54.5                  | 25.1     | 10.2           | 0.8  | 0.7   | 8.7            | 100.0 |
| Wisconsin                     | 56.7                  | 27.3     | 8.9            | 1.4  | 1.3   | 4.4            | 100.0 |
| Lake <u>2/</u>                | 59.3                  | 23.0     | 9.3            | 1.1  | 0.9   | 6.4            | 100.0 |
| Illinois                      | 46.5                  | 14.4     | 25.6           | 1.6  | 1.6   | 10.3           | 100.0 |
| Indiana                       | 56.7                  | 16.4     | 18.9           | 1.6  | 1.5   | 4.9            | 100.0 |
| Iowa                          | 51.8                  | 23.3     | 15.7           | 1.1  | 1.4   | 6.7            | 100.0 |
| Missouri                      | 60.6                  | 15.3     | 12.1           | 1.1  | 0.5   | 10.4           | 100.0 |
| Ohio                          | 62.8                  | 13.7     | 15.3           | 1.5  | 1.6   | 5.1            | 100.0 |
| Corn Belt <u>2/</u>           | 55.3                  | 16.8     | 17.3           | 1.3  | 1.3   | 8.0            | 100.0 |
| Kansas                        | 47.6                  | 11.7     | 25.6           | 3.8  | 1.5   | 9.8            | 100.0 |
| Nebraska                      | 44.4                  | 19.1     | 20.7           | 4.5  | 1.9   | 9.4            | 100.0 |
| North Dakota                  | 42.0                  | 28.9     | 15.2           | 2.0  | 2.5   | 9.4            | 100.0 |
| South Dakota                  | 53.1                  | 17.4     | 17.2           | 2.5  | 0.6   | 9.2            | 100.0 |
| Northern<br>Plains <u>2/</u>  | 46.6                  | 18.9     | 20.0           | 3.3  | 1.7   | 9.5            | 100.0 |
| North Central                 | 52.6                  | 19.0     | 16.7           | 2.1  | 1.4   | 8.2            | 100.0 |
| United<br>States <u>1/ 2/</u> | 55.0                  | 14.7     | 16.7           | 2.4  | 2.1   | 9.1            | 100.0 |

<sup>1/</sup>Excluding Alaska

<sup>2/</sup>Revised

Source: 1978 ESCS Landownership Survey



Table 21--Period of land acquisition: Distribution of owners and acres owned, all land, by period, North Central States

| Period      | : | Ownership units |             | : | Acres owned          |             |
|-------------|---|-----------------|-------------|---|----------------------|-------------|
|             | : |                 |             | : |                      |             |
|             | : | <u>Thous.</u>   | <u>Pct.</u> |   | <u>Million acres</u> | <u>Pct.</u> |
| 1970-78     | : | 3,463           | 43.1        |   | 118.8                | 27.9        |
| 1960-69     | : | 1,968           | 24.5        |   | 108.4                | 25.4        |
| 1950-59     | : | 1,274           | 15.9        |   | 71.4                 | 16.7        |
| 1940-49     | : | 509             | 6.3         |   | 54.9                 | 12.9        |
| Before 1940 | : | 491             | 6.1         |   | 43.0                 | 10.1        |
| No response | : | 331             | 4.1         |   | 29.8                 | 7.0         |
| Total       | : | 8,036           | 100.0       |   | 426.3                | 100.0       |

Source: 1978 ESCS Landownership Survey



Table 22--Period of land acquisition: Distribution of acres owned,  
all land, by period, by state, North Central States

| State or<br>region                   | Period           |         |         |         |                |                | Total |
|--------------------------------------|------------------|---------|---------|---------|----------------|----------------|-------|
|                                      | 1970-78          | 1960-69 | 1950-59 | 1940-49 | Before<br>1940 | No<br>Response |       |
|                                      | Percent of acres |         |         |         |                |                |       |
| Michigan                             | 25.6             | 26.5    | 17.7    | 9.3     | 15.0           | 5.9            | 100.0 |
| Minnesota                            | 30.0             | 24.8    | 14.8    | 12.9    | 10.2           | 7.3            | 100.0 |
| Wisconsin                            | 31.5             | 27.6    | 16.7    | 11.4    | 9.8            | 3.0            | 100.0 |
| Lake                                 | 29.2             | 26.1    | 16.2    | 11.4    | 11.5           | 5.6            | 100.0 |
| Illinois                             | 30.3             | 22.5    | 17.8    | 11.0    | 10.7           | 7.7            | 100.0 |
| Indiana                              | 27.4             | 28.2    | 19.5    | 11.0    | 12.4           | 1.5            | 100.0 |
| Iowa                                 | 28.8             | 30.5    | 16.1    | 11.0    | 9.4            | 4.2            | 100.0 |
| Missouri                             | 27.3             | 26.7    | 14.9    | 11.3    | 9.8            | 10.0           | 100.0 |
| Ohio                                 | 30.8             | 24.3    | 19.9    | 12.7    | 9.7            | 2.6            | 100.0 |
| Corn Belt                            | 28.8             | 26.5    | 17.2    | 11.4    | 10.2           | 5.9            | 100.0 |
| Kansas                               | 25.8             | 24.4    | 15.3    | 13.5    | 10.9           | 10.1           | 100.0 |
| Nebraska                             | 28.7             | 22.1    | 15.7    | 14.4    | 11.6           | 7.5            | 100.0 |
| North Dakota                         | 23.1             | 24.9    | 19.5    | 17.0    | 6.8            | 8.7            | 100.0 |
| South Dakota                         | 27.8             | 25.7    | 16.2    | 15.5    | 6.5            | 8.3            | 100.0 |
| Northern<br>Plains                   | 26.3             | 24.2    | 16.6    | 15.0    | 9.2            | 8.7            | 100.0 |
| North Central                        | 27.9             | 25.4    | 16.7    | 12.9    | 10.1           | 7.0            | 100.0 |
| United<br>States <u>1/</u> <u>2/</u> | 25.8             | 23.1    | 15.9    | 11.7    | 13.8           | 9.7            | 100.0 |

1/ Revised

2/ Excluding Alaska

Source: 1978 ESCS Landownership Survey



Table 23--Residence of landowners: Distribution of owners and acres owned, all land, by place of residence, North Central States

| Place of residence <sup>1/</sup> | : | Ownership units |       | Acres owned   |       |
|----------------------------------|---|-----------------|-------|---------------|-------|
|                                  |   | Thous.          | Pct.  | Million acres | Pct.  |
| Same county                      | : | 6,940           | 86.4  | 329.8         | 77.4  |
| Other county, same state         | : | 678             | 8.4   | 57.2          | 13.4  |
| Other state                      | : | 254             | 3.2   | 25.3          | 5.9   |
| Outside United States            | : | 25              | 0.3   | .2            | 0.1   |
| No response                      | : | 139             | 1.7   | 13.8          | 3.2   |
| Total                            | : | 8,036           | 100.0 | 426.3         | 100.0 |

<sup>1/</sup> Relative to land reported. Includes headquarters location of corporations, estates, and partnerships.

Source: 1978 ESCS Landownership Survey



Table 24--Residence of landowners: Distribution of acres owned, all land,  
by place of residence, by state, North Central States

| State and<br>region                          | Place of residence <sup>1/</sup> |                                   |                |                             |                | Total |
|----------------------------------------------|----------------------------------|-----------------------------------|----------------|-----------------------------|----------------|-------|
|                                              | Same<br>county                   | Other<br>county,<br>same<br>State | Other<br>State | Outside<br>United<br>States | No<br>response |       |
| <u>Percent of acres</u>                      |                                  |                                   |                |                             |                |       |
| Michigan                                     | 71.8                             | 19.6                              | 8.3            | -                           | 0.3            | 100.0 |
| Minnesota                                    | 87.1                             | 6.8                               | 3.0            | 0.1                         | 3.0            | 100.0 |
| Wisconsin                                    | 81.2                             | 10.3                              | 5.3            | 0.1                         | 3.1            | 100.0 |
| Lake <sup>3/</sup>                           | 80.8                             | 11.6                              | 5.3            | 0.1                         | 2.2            | 100.0 |
| Illinois                                     | 76.1                             | 13.8                              | 4.7            | -                           | 5.4            | 100.0 |
| Indiana                                      | 85.5                             | 9.4                               | 4.8            | 0.1                         | 0.2            | 100.0 |
| Iowa                                         | 81.6                             | 11.8                              | 4.3            | -                           | 2.3            | 100.0 |
| Missouri                                     | 73.3                             | 11.9                              | 5.4            | 0.2                         | 9.2            | 100.0 |
| Ohio                                         | 83.4                             | 13.1                              | 2.5            | 0.1                         | 0.9            | 100.0 |
| Corn Belt <sup>3/</sup>                      | 79.1                             | 12.1                              | 4.4            | 0.1                         | 4.3            | 100.0 |
| Kansas                                       | 67.2                             | 20.6                              | 9.1            | 0.1                         | 3.0            | 100.0 |
| Nebraska                                     | 74.0                             | 16.5                              | 6.3            | -                           | 3.2            | 100.0 |
| North Dakota                                 | 79.1                             | 11.8                              | 5.8            | -                           | 3.3            | 100.0 |
| South Dakota                                 | 77.9                             | 11.4                              | 9.1            | -                           | 1.6            | 100.0 |
| Northern<br>Plains <sup>3/</sup>             | 74.1                             | 15.5                              | 7.6            | <sup>4/</sup>               | 2.8            | 100.0 |
| North Central                                | 77.4                             | 13.4                              | 5.9            | 0.1                         | 3.2            | 100.0 |
| United<br>States <sup>2/</sup> <sup>3/</sup> | 69.5                             | 18.1                              | 7.9            | <sup>4/</sup>               | 4.5            | 100.0 |

<sup>1/</sup> Relative to land reported. Includes headquarters location of corporations, estates, and partnerships.

<sup>2/</sup> Excluding Alaska

<sup>3/</sup> Revised

<sup>4/</sup> Less than .05 percent

Source: 1978 ESCS Landownership Survey



Table 25--Educational level of landowners: Distribution of owners and acres owned, all land, by years of schooling, North Central States

| Years of schooling <sup>1/</sup>       | Ownership units |       | Acres owned   |       |
|----------------------------------------|-----------------|-------|---------------|-------|
|                                        | Thous.          | Pct.  | Million acres | Pct.  |
| 8 or less                              | 1,302           | 17.3  | 88.5          | 22.4  |
| 9-11                                   | 796             | 10.6  | 38.0          | 9.6   |
| 12                                     | 2,445           | 32.4  | 131.2         | 33.2  |
| 13-15                                  | 1,085           | 14.4  | 48.0          | 12.2  |
| 16 or more                             | 1,199           | 15.9  | 46.2          | 11.7  |
| No response                            | 711             | 9.4   | 42.9          | 10.9  |
| Subtotal                               | 7,538           | 100.0 | 394.8         | 100.0 |
| Corporations and<br>large partnerships | 498             | --    | 31.5          | --    |
| Total                                  | 8,036           | --    | 426.3         | --    |

-- = Not applicable

<sup>1/</sup> Sole owner or principal partner

Source: 1978 ESCS Landownership Survey



Table 26--Educational level of landowners, all land, by years of schooling, by state, North Central States

| State or<br>region               | Years of schooling |      |      |       |               |                |       | Total |
|----------------------------------|--------------------|------|------|-------|---------------|----------------|-------|-------|
|                                  | 8 or<br>less       | 9-11 | 12   | 13-15 | 16 or<br>more | No<br>response |       |       |
|                                  | Percent of acres   |      |      |       |               |                |       |       |
| Michigan                         | 17.5               | 10.9 | 30.8 | 14.9  | 14.2          | 11.7           | 100.0 |       |
| Minnesota                        | 31.8               | 9.5  | 33.1 | 9.2   | 7.5           | 8.9            | 100.0 |       |
| Wisconsin                        | 26.3               | 10.7 | 35.9 | 9.8   | 10.3          | 7.0            | 100.0 |       |
| Lake <sup>1/</sup>               | 26.2               | 10.2 | 33.4 | 10.9  | 10.2          | 9.1            | 100.0 |       |
| Illinois                         | 22.1               | 8.9  | 30.8 | 12.2  | 14.4          | 11.6           | 100.0 |       |
| Indiana                          | 13.5               | 11.5 | 40.1 | 12.1  | 12.5          | 10.3           | 100.0 |       |
| Iowa                             | 21.1               | 8.5  | 36.6 | 11.8  | 11.9          | 10.1           | 100.0 |       |
| Missouri                         | 20.2               | 8.6  | 28.4 | 11.0  | 13.1          | 18.7           | 100.0 |       |
| Ohio                             | 16.1               | 11.2 | 38.4 | 13.1  | 14.0          | 7.2            | 100.0 |       |
| Corn Belt <sup>1/</sup>          | 19.2               | 9.4  | 34.0 | 11.9  | 13.2          | 12.3           | 100.0 |       |
| Kansas                           | 15.8               | 8.0  | 31.6 | 16.2  | 17.4          | 11.0           | 100.0 |       |
| Nebraska                         | 20.7               | 11.3 | 37.9 | 10.7  | 7.9           | 11.5           | 100.0 |       |
| North Dakota                     | 31.8               | 8.9  | 26.9 | 12.8  | 8.8           | 10.8           | 100.0 |       |
| South Dakota                     | 26.1               | 10.3 | 34.1 | 11.5  | 9.7           | 8.3            | 100.0 |       |
| Northern<br>Plains <sup>1/</sup> | 23.3               | 9.5  | 32.5 | 13.0  | 11.2          | 10.5           | 100.0 |       |
| North Central <sup>1/</sup>      | 22.4               | 9.6  | 33.2 | 12.2  | 11.7          | 10.9           | 100.0 |       |
| United<br>States <sup>1/</sup>   | 17.6               | 10.6 | 27.5 | 14.2  | 17.5          | 12.6           | 100.0 |       |

<sup>1/</sup> Excluding Alaska

Source: 1978 ESCS Landownership Survey



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